

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/005297

## A. CLASSIFICATION OF SUBJECT MATTER

INV. G06N3/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 262 912 A (CANON KABUSHIKI KAISHA) 4 December 2002 (2002-12-04) abstract page 5, lines 18-20, 27-30, 54-57 page 6, lines 12-15 page 19, lines 35-40 figures 3, 8, 10	1-24
X	US 5 704 016 A (SHIGEMATSU ET AL) 30 December 1997 (1997-12-30) the whole document	1-24
X	US 5 263 122 A (NUNALLY ET AL) 16 November 1993 (1993-11-16) the whole document	1-24
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

25 October 2006

Date of mailing of the international search report

02/11/2006

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/29970 A (ARIZONA BOARD OF REGENTS, A BODY CORPORATE ACTING; HOPPENSTEADT, FRANK) 25 May 2000 (2000-05-25) the whole document -----	1-9, 11-21, 23,24
A	US 5 179 596 A (WEINGARD FRED S [US]) 12 January 1993 (1993-01-12) column 2, line 25 - column 3, line 49 -----	10,22
A	US 4 974 169 A (ENGEL STEPHEN J [US]) 27 November 1990 (1990-11-27) abstract -----	10,22

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP2005/005297

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9,11-21,23,24

Parallel pulse processing apparatus and method using a gate circuit to neglect data  
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2. claims: 10,22

Parallel pulse processing apparatus and method storing and reusing intermediate data in memories  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/005297

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1262912	A	04-12-2002	US 2003004583 A1	02-01-2003
US 5704016	A	30-12-1997	GB 2287820 A	27-09-1995
			JP 2615422 B2	28-05-1997
			JP 7262158 A	13-10-1995
US 5263122	A	16-11-1993	NONE	
WO 0029970	A	25-05-2000	NONE	
US 5179596	A	12-01-1993	US 5493688 A	20-02-1996
US 4974169	A	27-11-1990	NONE	